BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1000000.00

Name of Work: Estimate for Maintenance of BBMP Drilled Borewells in Kodigehalli, Ward No. 8, Kodigehalli Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	A) Rewinding								
1	Lifting of Submersible pump set as per Soecification and direction **(P. 56 / I. 10.3.21) PRED SR (2012-13)**	Each	30				**30**	850.00	25500.00
2	Transportation of pumping machineries **(P. 56 / I. 10.3.19) PRED SR (2012-13)**	Each	30				**30**	900.00	27000.00
3	Labour charges (over hauling) **P. No. 56 / I No.10.3.22 PRED SR (2012-13)**	Job	30				**30**	550.00	16500.00
4	**A) Repairs to Motor:** Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. **PRED SR (2012-13) P No. 54 / I. No. 10.1) (Above 10 HP upto 20 HP add Rs.150/- for every ½ HP)**								
	A) 10 HP Motor	No.	10				**10**	3700.00	37000.00
	upto 5 HP 2500.00								
	for 10 HP (120 x 10) 1200.00								
	Total 3700.00								
	B) 12.5 HP Motor		20				**20**	4750.00	95000.00
	upto 5 HP 2500.00								
	for 12.5 HP (150 x 15) 2250.00								
	Total 4750.00								
	B) Replacement of Motor Parts:								
5	Starter (with one year Guarantee) **P No. 55 / I No. 10.3.3 PRED SR (2012-13)**	No.	30				**30**	5050.00	151500.00
6	Rotor (with one year Guarantee) **P No. 55 / I No. 10.3.6) PRED SR (2012-13)**	No.	30				**30**	4700.00	141000.00
7	Upper Flange **P. No. 56 / I No. 10.3.7 PRED SR (2012-13)**	No.	30				**30**	350.00	10500.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Lower Housing **P. No. 56 / I No. 10.3.10 PRED SR (2012-13)**	No.	30				**30**	650.00	19500.00
9	Carbon Housing **P. No. 56 / I No.10.3.12 PRED SR (2012-13)**	No.	30				**30**	475.00	14250.00
10	Thrust bearing block assembly complete with Segment bearing pad.**P. No. 55 / I No.10.3.13 PRED SR (2012-13)**	No.	30				**30**	1150.00	34500.00
	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.								
11	Oil Seal **P. No. 54 / I No.10.2.3 PRED SR (2012-13)**	No.	30				**30**	125.00	3750.00
12	Oil Seal Steel Bush **P. No. 54 / I No. 10.2.4 PRED SR (2012-13)**	No.	30				**30**	150.00	4500.00
13	Guide vane **P. No. 54 / I No. 10.2.5 PRED SR (2012-13)**	No.	450				**450**	175.00	78750.00
14	Impeller Shell moulded with aluminium Bronze) **P. No. 54 / I No. 10.2.6 PRED SR (2012-13)**	No.	450				**450**	425.00	191250.00
15	Discharge outlet (D.O) Bearing D.O Steel Bush **P. No. 55 / I No. 10.2.7 PRED SR (2012-13)**	No.	30				**30**	445.00	13350.00
16	Steel Bush **P. No.55 / I No. 10.2.9 PRED SR (2012-13)**	No.	30				**30**	150.00	4500.00
17	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P. No. 55 / I No. 10.2.11 PRED SR (2012-13)**	No.	30				**30**	950.00	28500.00
18	Non – return valve (NRV) assembly complete with rubber 'O' Ring **P. No. 55 / I No. 10.2.14 PRED SR (2012-13)**	No.	30				**30**	1350.00	40500.00
19	Cable Guard **P. No. 55 / I No. 10.2.15 PRED SR (2012-13)**	No.	30				**30**	150.00	4500.00
20	Brass Filter **P. No. 55 / I No. 10.2.17 PRED SR (2012-13)**	No.	30				**30**	250.00	7500.00
21	Re-erection charges of pumping machineries including overhauling and pointing **P. No. 56 / I No. 10.3.20 PRED SR (2012-13)**	Each	30				**30**	950.00	28500.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) **4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11**	Mtr							
			1	145.00			**145.00**	151.00	21895.00
23	Miscellaneous and Unforeseen Charges	L/S							255.00
								Total	1000000.00

(Rupees Ten Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PRED 2012-13.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Administrative approval for Rs. 10.00L
Ten lakhs only
is accorded under [illegible] P-1802
registered at Sl. No. 31 subject
to conditions contained therein.
No: [illegible]/181 Dt. 18/03/15

18/03
AE/JE

EE (BTP. Div.)

Technical Sanction for Rs. 10.00L
Ten lakhs only
Registered at Sl. No. 66 dt. 18/03/2015 subject
to conditions contained therein.
No: [illegible]/404 Dt. 18/03/15

18/03
AE/JE

EE (BTP.Div.)